

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: INVUE

Report Number: P401743

Luminaire Tested: **ENV-SA1E-827-U-SLL-HSS**

Issue Date: 5/20/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P401743  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2004-754-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/20/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENV-SA1E-827-U-SLL-HSS  
Description: ENTRI LED LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3888 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

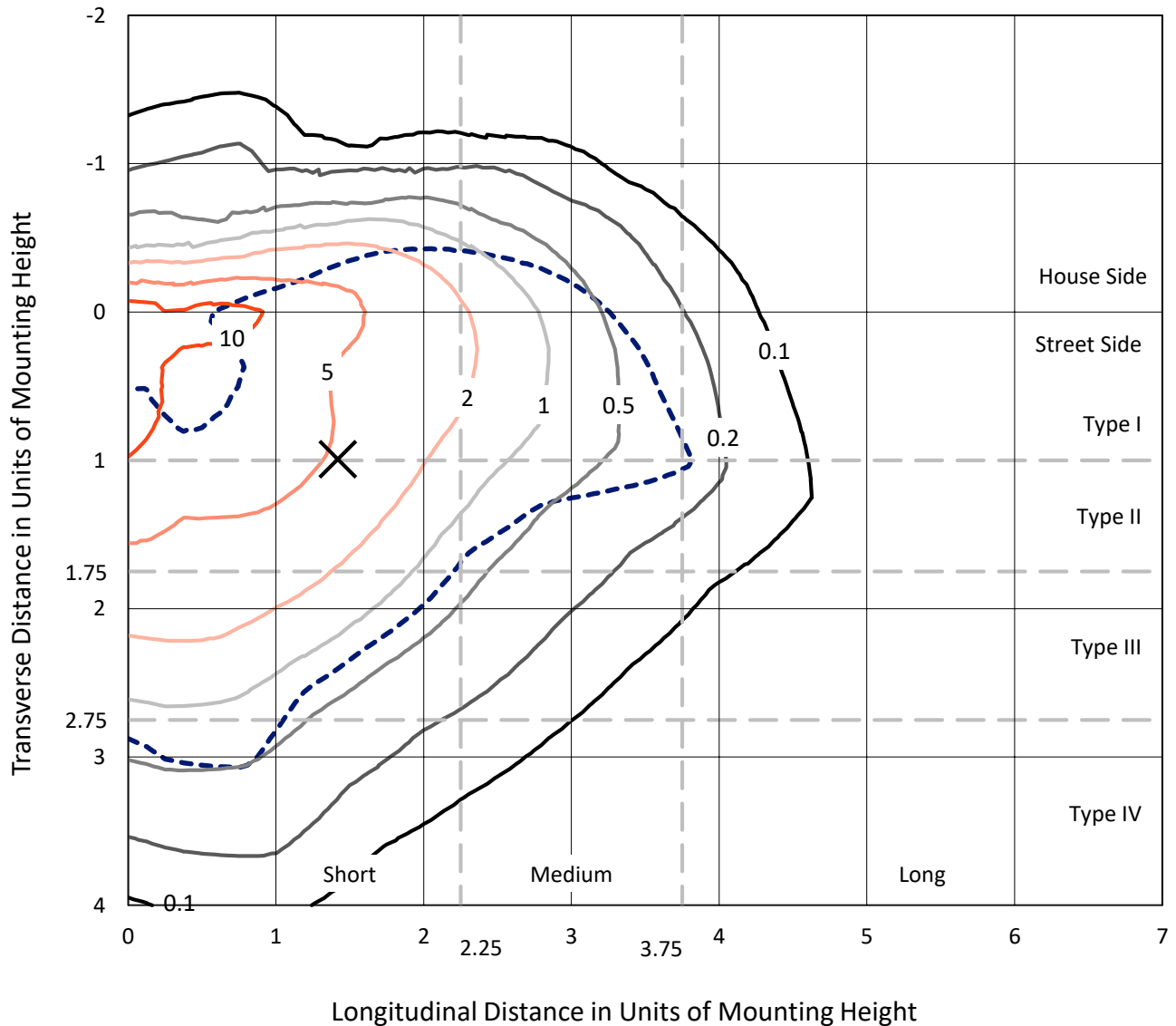
Input Watts (W): 57.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

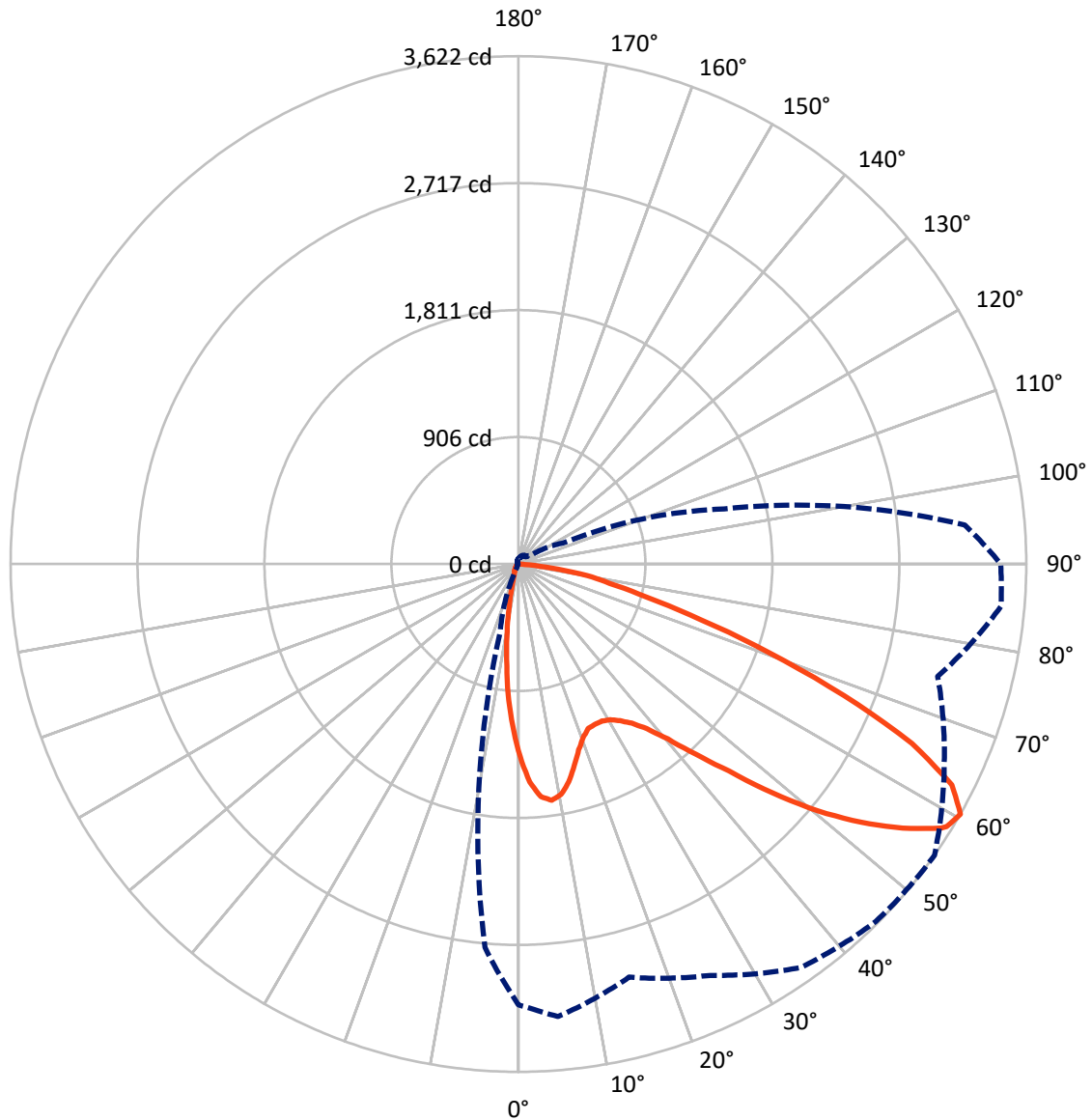
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 688.5    | 0.0    | 688.5  |
|                    | % Fixture | 17.7     | 0.0    | 17.7   |
| <b>Street Side</b> | Lumens    | 3199.5   | 0.0    | 3199.5 |
|                    | % Fixture | 82.3     | 0.0    | 82.3   |
| <b>Total</b>       | Lumens    | 3888.0   | 0.0    | 3888.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 103.3  | 2.7       |
| 10°-20°   | 196.5  | 5.1       |
| 20°-30°   | 280.3  | 7.2       |
| 30°-40°   | 411.2  | 10.6      |
| 40°-50°   | 606.3  | 15.6      |
| 50°-60°   | 898.1  | 23.1      |
| 60°-70°   | 957.1  | 24.6      |
| 70°-80°   | 397.0  | 10.2      |
| 80°-90°   | 38.2   | 1.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3888.0 | 100.0     |
| 0°-180°   | 3888.0 | 100.0     |



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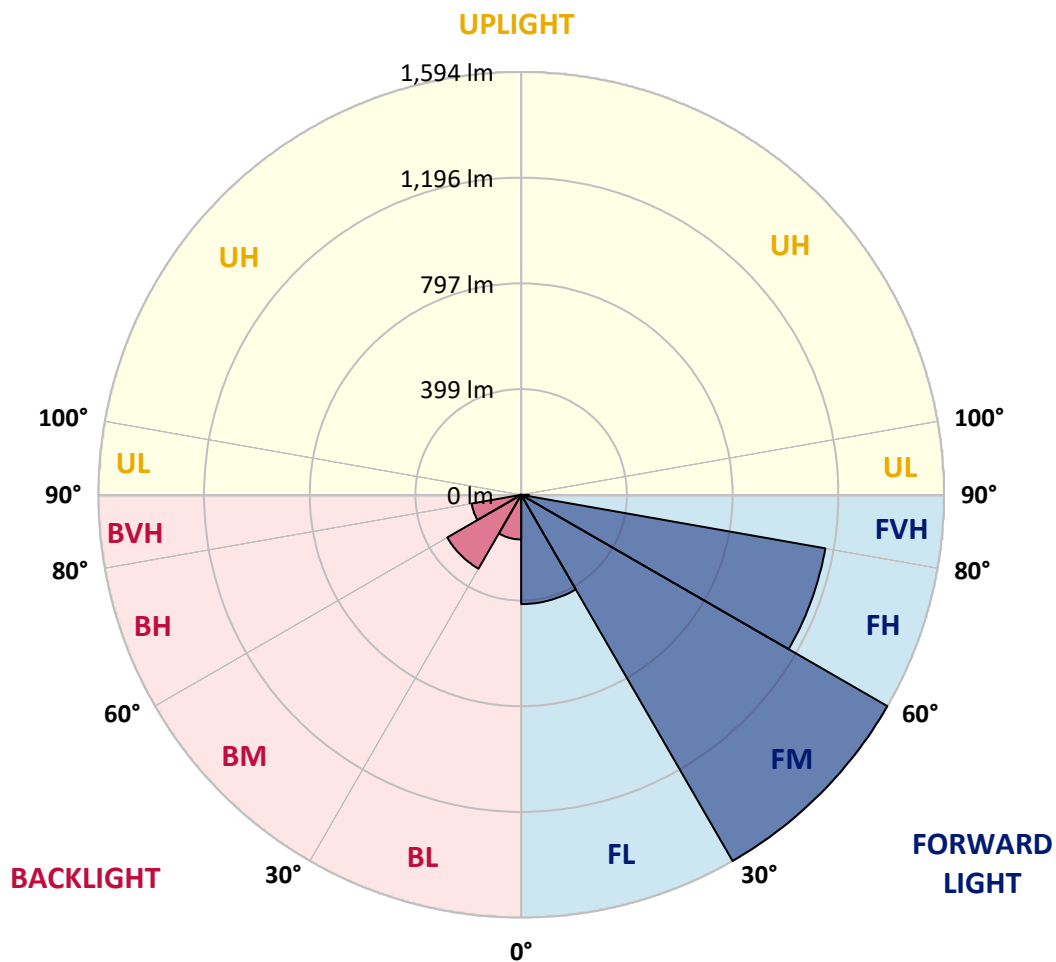
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 411.8  | 10.6      |                         |      |         |
| FM   | (30°-60°)   | 1594.1 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1164.3 | 29.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 29.2   | 0.8       |                         |      | G1/100  |
| BL   | (0°-30°)    | 168.3  | 4.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 321.5  | 8.3       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 189.8  | 4.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.9    | 0.2       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 |
| 2.5°  | 1434.1 | 1431.9 | 1452.5 | 1495.1 | 1521.5 | 1537.7 | 1540.7 | 1557.6 | 1540.7 | 1531.8 | 1500.2 |
| 5°    | 1392.2 | 1391.4 | 1431.1 | 1524.5 | 1600.9 | 1658.3 | 1686.2 | 1667.1 | 1637.7 | 1579.6 | 1509.0 |
| 7.5°  | 1276.0 | 1276.0 | 1351.0 | 1476.0 | 1603.9 | 1703.1 | 1736.9 | 1701.6 | 1631.8 | 1514.9 | 1388.5 |
| 10°   | 1181.2 | 1190.0 | 1262.1 | 1411.3 | 1553.2 | 1661.9 | 1699.4 | 1672.2 | 1581.1 | 1429.7 | 1281.2 |
| 12.5° | 1124.6 | 1129.8 | 1209.9 | 1359.8 | 1492.1 | 1580.3 | 1603.1 | 1595.0 | 1528.9 | 1364.2 | 1206.9 |
| 15°   | 1129.8 | 1137.1 | 1229.0 | 1351.7 | 1437.7 | 1473.0 | 1481.1 | 1491.4 | 1464.2 | 1337.8 | 1182.7 |
| 17.5° | 1210.6 | 1215.8 | 1308.4 | 1387.8 | 1384.1 | 1373.1 | 1376.0 | 1392.9 | 1425.3 | 1359.8 | 1231.9 |
| 20°   | 1340.0 | 1353.2 | 1446.6 | 1448.0 | 1356.2 | 1304.7 | 1291.5 | 1319.4 | 1406.9 | 1417.9 | 1337.0 |
| 22.5° | 1506.1 | 1511.3 | 1606.1 | 1549.5 | 1359.1 | 1257.7 | 1242.2 | 1273.8 | 1412.8 | 1512.0 | 1482.6 |
| 25°   | 1698.7 | 1717.1 | 1768.5 | 1681.0 | 1401.7 | 1251.0 | 1240.8 | 1267.2 | 1434.1 | 1612.0 | 1632.5 |
| 27.5° | 1828.8 | 1843.5 | 1892.7 | 1770.7 | 1440.0 | 1254.7 | 1235.6 | 1268.0 | 1459.8 | 1706.0 | 1792.8 |
| 30°   | 1944.9 | 1955.2 | 1973.6 | 1817.8 | 1483.3 | 1273.1 | 1242.2 | 1288.5 | 1473.8 | 1725.9 | 1896.4 |
| 32.5° | 2054.5 | 2066.9 | 2055.9 | 1874.4 | 1531.1 | 1307.6 | 1254.7 | 1331.9 | 1503.9 | 1765.6 | 1986.8 |
| 35°   | 2195.6 | 2196.3 | 2158.8 | 1931.0 | 1585.5 | 1348.8 | 1291.5 | 1393.6 | 1562.7 | 1827.3 | 2083.9 |
| 37.5° | 2363.2 | 2364.6 | 2269.8 | 1989.0 | 1647.2 | 1417.9 | 1378.2 | 1489.2 | 1648.0 | 1898.6 | 2222.8 |
| 40°   | 2509.4 | 2515.3 | 2389.6 | 2055.9 | 1722.9 | 1552.4 | 1548.7 | 1640.6 | 1757.5 | 1993.4 | 2372.0 |
| 42.5° | 2636.6 | 2653.5 | 2499.9 | 2111.8 | 1830.3 | 1759.0 | 1767.8 | 1851.6 | 1890.5 | 2072.8 | 2464.6 |
| 45°   | 2765.2 | 2764.5 | 2590.3 | 2167.6 | 2009.6 | 2025.1 | 2108.8 | 2105.2 | 2041.2 | 2115.5 | 2537.4 |
| 47.5° | 2845.4 | 2841.7 | 2645.4 | 2258.8 | 2251.4 | 2399.2 | 2488.1 | 2439.6 | 2208.1 | 2161.0 | 2628.5 |
| 50°   | 2876.2 | 2874.8 | 2688.8 | 2374.9 | 2497.7 | 2738.0 | 2865.2 | 2768.2 | 2412.4 | 2237.5 | 2737.3 |
| 52.5° | 2963.7 | 2956.4 | 2788.8 | 2507.2 | 2720.4 | 3064.4 | 3169.5 | 3061.5 | 2616.0 | 2374.9 | 2863.7 |
| 55°   | 3100.4 | 3102.6 | 2960.8 | 2662.3 | 2899.0 | 3294.5 | 3423.1 | 3326.8 | 2824.0 | 2563.8 | 3037.2 |
| 57.5° | 3192.3 | 3198.9 | 3151.1 | 2835.1 | 3090.1 | 3455.5 | 3580.4 | 3553.2 | 3101.2 | 2789.5 | 3240.8 |
| 58°   | 3201.1 | 3206.3 | 3181.3 | 2868.1 | 3118.8 | 3473.8 | 3601.7 | 3582.6 | 3162.2 | 2861.5 | 3289.3 |
| 60°   | 3144.5 | 3160.0 | 3240.1 | 3050.4 | 3237.1 | 3512.8 | 3605.4 | 3622.3 | 3351.1 | 3095.3 | 3455.5 |
| 62.5° | 2990.9 | 2996.0 | 3141.6 | 3254.8 | 3318.0 | 3416.5 | 3425.3 | 3469.4 | 3429.0 | 3369.4 | 3603.9 |
| 65°   | 2802.7 | 2802.7 | 2960.0 | 3264.3 | 3108.5 | 3092.3 | 3040.9 | 3085.0 | 3201.9 | 3541.5 | 3593.6 |
| 67.5° | 2475.6 | 2477.8 | 2678.5 | 2907.8 | 2577.1 | 2521.2 | 2488.1 | 2504.3 | 2753.5 | 3398.1 | 3393.7 |
| 70°   | 2000.8 | 1999.3 | 2205.9 | 2354.4 | 1912.6 | 1864.8 | 1904.5 | 1899.4 | 2236.7 | 3019.6 | 2963.0 |
| 72.5° | 1415.0 | 1427.5 | 1639.9 | 1818.5 | 1298.8 | 1119.5 | 1294.4 | 1362.0 | 1682.5 | 2545.5 | 2292.6 |
| 75°   | 796.8  | 813.7  | 987.2  | 1263.5 | 819.6  | 757.1  | 846.8  | 943.1  | 1216.5 | 2026.5 | 1539.9 |
| 77.5° | 399.9  | 406.5  | 505.7  | 607.9  | 496.9  | 577.0  | 571.9  | 663.7  | 834.3  | 1367.2 | 880.6  |
| 80°   | 230.8  | 244.0  | 277.8  | 313.9  | 277.8  | 366.1  | 424.9  | 499.8  | 513.8  | 707.1  | 491.0  |
| 82.5° | 92.6   | 103.6  | 130.1  | 147.7  | 115.4  | 108.8  | 74.2   | 233.7  | 309.5  | 341.8  | 188.2  |
| 85°   | 0.0    | 0.0    | 0.7    | 1.5    | 2.2    | 2.2    | 3.7    | 41.2   | 75.7   | 16.9   | 30.9   |
| 87.5° | 0.0    | 0.0    | 0.7    | 0.7    | 1.5    | 2.2    | 2.9    | 5.1    | 6.6    | 8.1    | 27.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 |
| 2.5°  | 1488.5 | 1480.4 | 1453.2 | 1412.0 | 1386.3 | 1346.6 | 1330.4 | 1292.9 | 1273.8 | 1242.2 | 1242.2 |
| 5°    | 1473.8 | 1440.7 | 1372.3 | 1283.4 | 1220.2 | 1154.0 | 1132.7 | 1088.6 | 1057.0 | 1019.5 | 1004.1 |
| 7.5°  | 1340.0 | 1293.7 | 1187.1 | 1083.5 | 982.8  | 915.9  | 849.7  | 804.9  | 762.2  | 731.4  | 735.8  |
| 10°   | 1217.2 | 1151.1 | 1034.2 | 902.6  | 798.3  | 728.4  | 668.9  | 616.7  | 572.6  | 529.2  | 522.6  |
| 12.5° | 1137.1 | 1061.4 | 921.7  | 780.6  | 702.7  | 651.3  | 596.1  | 538.8  | 484.4  | 436.6  | 417.5  |
| 15°   | 1103.3 | 1021.0 | 865.1  | 732.1  | 660.8  | 594.7  | 530.7  | 460.1  | 397.7  | 340.3  | 324.9  |
| 17.5° | 1140.1 | 1041.6 | 860.0  | 699.8  | 600.5  | 517.5  | 428.5  | 351.4  | 277.8  | 236.7  | 224.2  |
| 20°   | 1240.0 | 1112.1 | 876.9  | 667.4  | 533.6  | 426.3  | 317.5  | 230.1  | 188.9  | 163.9  | 155.8  |
| 22.5° | 1384.8 | 1229.0 | 905.6  | 635.8  | 466.0  | 317.5  | 219.0  | 166.1  | 141.9  | 128.6  | 125.0  |
| 25°   | 1542.1 | 1379.7 | 958.5  | 609.4  | 398.4  | 235.9  | 162.4  | 136.0  | 121.3  | 111.7  | 108.1  |
| 27.5° | 1719.3 | 1528.9 | 1023.2 | 589.5  | 335.9  | 188.9  | 139.7  | 119.8  | 108.1  | 101.4  | 98.5   |
| 30°   | 1830.3 | 1636.2 | 1072.4 | 554.2  | 293.3  | 172.0  | 133.0  | 113.2  | 100.7  | 95.6   | 93.4   |
| 32.5° | 1932.4 | 1720.7 | 1119.5 | 513.8  | 260.9  | 152.2  | 129.4  | 119.1  | 104.4  | 94.1   | 89.7   |
| 35°   | 2044.9 | 1807.5 | 1142.3 | 489.5  | 239.6  | 132.3  | 106.6  | 92.6   | 84.5   | 83.1   | 80.9   |
| 37.5° | 2212.5 | 1910.4 | 1157.0 | 476.3  | 226.4  | 120.5  | 99.2   | 83.8   | 74.2   | 65.4   | 61.7   |
| 40°   | 2371.3 | 2017.0 | 1164.3 | 463.8  | 219.8  | 113.2  | 94.8   | 79.4   | 69.1   | 61.0   | 57.3   |
| 42.5° | 2495.5 | 2114.0 | 1168.7 | 455.0  | 208.0  | 108.8  | 91.1   | 76.4   | 65.4   | 57.3   | 53.7   |
| 45°   | 2596.9 | 2226.5 | 1165.0 | 452.1  | 198.5  | 111.7  | 89.7   | 74.2   | 62.5   | 54.4   | 50.7   |
| 47.5° | 2696.1 | 2348.5 | 1179.0 | 448.4  | 188.9  | 107.3  | 90.4   | 73.5   | 60.3   | 52.2   | 48.5   |
| 50°   | 2826.3 | 2496.2 | 1229.7 | 438.1  | 182.3  | 100.7  | 97.8   | 74.2   | 59.5   | 50.7   | 47.8   |
| 52.5° | 2994.6 | 2700.6 | 1321.6 | 427.1  | 174.2  | 94.8   | 102.2  | 74.2   | 58.1   | 49.2   | 45.6   |
| 55°   | 3198.9 | 2929.9 | 1423.0 | 410.9  | 160.2  | 87.5   | 97.8   | 74.2   | 56.6   | 48.5   | 44.1   |
| 57.5° | 3365.8 | 3134.2 | 1503.2 | 391.8  | 134.5  | 78.6   | 89.7   | 71.3   | 52.9   | 45.6   | 41.9   |
| 58°   | 3380.5 | 3157.8 | 1514.2 | 386.6  | 131.6  | 77.2   | 87.5   | 70.6   | 51.5   | 44.8   | 41.2   |
| 60°   | 3440.0 | 3196.0 | 1518.6 | 358.7  | 109.5  | 73.5   | 75.7   | 68.4   | 48.5   | 41.9   | 39.0   |
| 62.5° | 3419.4 | 3069.6 | 1425.3 | 309.5  | 97.8   | 66.9   | 63.2   | 69.8   | 44.8   | 38.2   | 35.3   |
| 65°   | 3317.3 | 2821.1 | 1248.8 | 277.1  | 98.5   | 59.5   | 54.4   | 61.0   | 41.2   | 34.5   | 31.6   |
| 67.5° | 3074.0 | 2444.0 | 1014.4 | 259.5  | 102.9  | 52.9   | 47.0   | 45.6   | 36.8   | 30.9   | 28.7   |
| 70°   | 2621.9 | 2003.0 | 768.9  | 244.0  | 108.8  | 47.0   | 43.4   | 40.4   | 33.8   | 28.7   | 25.7   |
| 72.5° | 1931.0 | 1483.3 | 559.4  | 228.6  | 105.8  | 41.9   | 40.4   | 36.8   | 30.9   | 25.7   | 24.3   |
| 75°   | 1204.7 | 861.5  | 383.0  | 186.7  | 94.8   | 36.8   | 37.5   | 34.5   | 27.9   | 24.3   | 22.1   |
| 77.5° | 703.4  | 604.9  | 188.9  | 138.9  | 65.4   | 32.3   | 33.1   | 31.6   | 28.7   | 22.8   | 21.3   |
| 80°   | 421.2  | 376.3  | 80.9   | 59.5   | 36.0   | 28.7   | 27.9   | 29.4   | 27.2   | 21.3   | 19.8   |
| 82.5° | 182.3  | 163.2  | 39.0   | 33.1   | 29.4   | 25.0   | 24.3   | 25.0   | 23.5   | 17.6   | 16.9   |
| 85°   | 10.3   | 27.2   | 18.4   | 24.3   | 22.1   | 18.4   | 18.4   | 19.1   | 16.9   | 14.0   | 14.0   |
| 87.5° | 9.6    | 20.6   | 11.8   | 14.7   | 16.2   | 14.0   | 14.7   | 14.7   | 14.0   | 12.5   | 11.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 |
| 2.5°  | 1225.3 | 1217.2 | 1193.0 | 1184.2 | 1145.9 | 1155.5 | 1158.4 | 1154.8 | 1156.2 | 1159.2 | 1170.2 |
| 5°    | 1015.1 | 1001.9 | 970.3  | 949.7  | 938.7  | 931.3  | 896.8  | 897.5  | 902.6  | 882.8  | 908.5  |
| 7.5°  | 721.1  | 735.8  | 738.7  | 719.6  | 707.8  | 682.9  | 651.3  | 633.6  | 603.5  | 620.4  | 624.1  |
| 10°   | 516.0  | 508.7  | 522.6  | 516.0  | 497.6  | 488.1  | 454.3  | 451.3  | 448.4  | 446.2  | 467.5  |
| 12.5° | 393.2  | 371.2  | 355.0  | 358.7  | 344.7  | 321.2  | 315.3  | 316.1  | 319.0  | 319.0  | 324.9  |
| 15°   | 311.7  | 277.8  | 252.1  | 236.7  | 238.9  | 215.4  | 208.8  | 186.7  | 183.8  | 177.1  | 178.6  |
| 17.5° | 218.3  | 204.3  | 188.9  | 171.3  | 163.9  | 142.6  | 116.9  | 105.1  | 96.3   | 97.8   | 102.2  |
| 20°   | 150.7  | 144.8  | 140.4  | 131.6  | 124.2  | 99.2   | 83.1   | 77.9   | 77.2   | 78.6   | 80.1   |
| 22.5° | 121.3  | 115.4  | 111.0  | 108.1  | 98.5   | 80.1   | 71.3   | 67.6   | 67.6   | 67.6   | 68.4   |
| 25°   | 104.4  | 98.5   | 92.6   | 92.6   | 83.8   | 69.8   | 63.2   | 60.3   | 59.5   | 58.8   | 60.3   |
| 27.5° | 97.0   | 88.9   | 83.1   | 79.4   | 72.8   | 61.7   | 55.9   | 52.9   | 52.2   | 52.2   | 52.9   |
| 30°   | 89.7   | 81.6   | 75.7   | 70.6   | 63.2   | 55.1   | 49.2   | 47.0   | 45.6   | 45.6   | 46.3   |
| 32.5° | 85.3   | 77.2   | 69.8   | 63.2   | 55.1   | 48.5   | 43.4   | 40.4   | 39.0   | 39.7   | 40.4   |
| 35°   | 75.7   | 69.1   | 62.5   | 55.9   | 48.5   | 42.6   | 37.5   | 34.5   | 33.8   | 33.8   | 34.5   |
| 37.5° | 59.5   | 54.4   | 52.9   | 49.2   | 42.6   | 36.8   | 31.6   | 28.7   | 27.9   | 27.9   | 28.7   |
| 40°   | 53.7   | 47.0   | 44.1   | 42.6   | 39.0   | 31.6   | 25.7   | 22.8   | 22.8   | 22.1   | 23.5   |
| 42.5° | 49.2   | 42.6   | 37.5   | 36.0   | 33.8   | 27.2   | 20.6   | 18.4   | 17.6   | 17.6   | 18.4   |
| 45°   | 46.3   | 39.0   | 32.3   | 28.7   | 28.7   | 22.1   | 16.9   | 14.0   | 13.2   | 13.2   | 14.0   |
| 47.5° | 44.8   | 36.8   | 28.7   | 23.5   | 22.8   | 18.4   | 13.2   | 10.3   | 9.6    | 9.6    | 9.6    |
| 50°   | 43.4   | 33.8   | 25.7   | 19.8   | 17.6   | 15.4   | 10.3   | 8.1    | 7.4    | 7.4    | 7.4    |
| 52.5° | 41.2   | 32.3   | 23.5   | 17.6   | 14.0   | 11.8   | 8.1    | 5.9    | 5.1    | 4.4    | 5.1    |
| 55°   | 39.7   | 30.1   | 22.8   | 16.2   | 11.8   | 8.8    | 5.9    | 4.4    | 3.7    | 3.7    | 3.7    |
| 57.5° | 37.5   | 27.9   | 20.6   | 15.4   | 11.0   | 6.6    | 4.4    | 2.9    | 2.2    | 2.2    | 2.9    |
| 58°   | 36.8   | 27.9   | 19.8   | 14.7   | 10.3   | 6.6    | 4.4    | 2.9    | 2.2    | 2.2    | 2.9    |
| 60°   | 34.5   | 25.7   | 19.1   | 13.2   | 9.6    | 5.9    | 3.7    | 2.2    | 1.5    | 1.5    | 2.2    |
| 62.5° | 32.3   | 23.5   | 16.9   | 11.8   | 8.1    | 5.1    | 2.9    | 1.5    | 0.7    | 0.7    | 0.7    |
| 65°   | 28.7   | 21.3   | 14.7   | 11.0   | 6.6    | 3.7    | 2.2    | 0.7    | 0.0    | 0.0    | 0.0    |
| 67.5° | 25.7   | 19.8   | 13.2   | 9.6    | 5.9    | 2.9    | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 23.5   | 18.4   | 11.8   | 8.1    | 5.1    | 2.2    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 22.1   | 16.9   | 11.0   | 7.4    | 3.7    | 2.2    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 21.3   | 16.2   | 11.0   | 6.6    | 3.7    | 2.2    | 1.5    | 0.7    | 0.0    | 0.0    | 0.7    |
| 77.5° | 20.6   | 16.2   | 11.0   | 6.6    | 4.4    | 2.2    | 2.2    | 1.5    | 1.5    | 0.7    | 2.2    |
| 80°   | 19.1   | 14.7   | 9.6    | 5.9    | 3.7    | 2.9    | 2.2    | 1.5    | 0.0    | 0.0    | 0.0    |
| 82.5° | 16.2   | 11.8   | 8.1    | 5.9    | 3.7    | 2.2    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 13.2   | 9.6    | 6.6    | 3.7    | 2.2    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 11.8   | 7.4    | 5.1    | 2.9    | 1.5    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P401743

CATALOG NUMBER: ENV-SA1E-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 | 1373.1 |
| 2.5°  | 1179.7 | 1213.6 | 1227.5 | 1274.6 | 1295.2 | 1337.8 | 1374.5 | 1406.1 | 1421.6 | 1434.1 |
| 5°    | 915.1  | 947.5  | 982.0  | 1051.9 | 1112.1 | 1176.8 | 1257.7 | 1341.5 | 1365.7 | 1392.2 |
| 7.5°  | 638.8  | 686.5  | 744.6  | 807.1  | 893.1  | 990.8  | 1107.0 | 1210.6 | 1262.8 | 1276.0 |
| 10°   | 496.2  | 552.8  | 614.5  | 676.2  | 747.5  | 851.9  | 968.8  | 1102.6 | 1158.4 | 1181.2 |
| 12.5° | 372.7  | 448.4  | 521.9  | 594.7  | 656.4  | 746.8  | 874.0  | 1033.5 | 1095.2 | 1124.6 |
| 15°   | 224.2  | 309.5  | 399.9  | 497.6  | 583.6  | 689.5  | 832.8  | 1018.8 | 1096.7 | 1129.8 |
| 17.5° | 111.7  | 152.9  | 235.9  | 383.0  | 510.1  | 641.7  | 832.1  | 1071.7 | 1168.0 | 1210.6 |
| 20°   | 83.1   | 94.1   | 125.7  | 238.9  | 424.1  | 602.0  | 840.9  | 1162.1 | 1304.0 | 1340.0 |
| 22.5° | 71.3   | 79.4   | 90.4   | 139.7  | 317.5  | 565.3  | 871.8  | 1281.9 | 1458.3 | 1506.1 |
| 25°   | 62.5   | 69.1   | 77.9   | 96.3   | 217.6  | 521.9  | 929.8  | 1451.0 | 1633.3 | 1698.7 |
| 27.5° | 55.1   | 61.0   | 68.4   | 80.9   | 145.5  | 440.3  | 962.9  | 1592.8 | 1774.4 | 1828.8 |
| 30°   | 48.5   | 52.9   | 60.3   | 69.1   | 107.3  | 340.3  | 993.8  | 1717.8 | 1902.3 | 1944.9 |
| 32.5° | 42.6   | 46.3   | 52.2   | 58.8   | 81.6   | 258.0  | 995.3  | 1825.1 | 2014.0 | 2054.5 |
| 35°   | 36.0   | 40.4   | 44.8   | 50.7   | 64.7   | 201.4  | 965.1  | 1931.7 | 2146.3 | 2195.6 |
| 37.5° | 30.1   | 33.8   | 39.0   | 44.1   | 58.8   | 155.8  | 902.6  | 2056.7 | 2307.3 | 2363.2 |
| 40°   | 25.7   | 29.4   | 33.8   | 39.7   | 52.2   | 113.2  | 802.7  | 2169.9 | 2458.0 | 2509.4 |
| 42.5° | 20.6   | 24.3   | 29.4   | 39.0   | 43.4   | 81.6   | 702.0  | 2278.6 | 2588.8 | 2636.6 |
| 45°   | 16.2   | 20.6   | 27.2   | 37.5   | 36.0   | 57.3   | 615.2  | 2374.9 | 2701.3 | 2765.2 |
| 47.5° | 11.8   | 16.9   | 27.2   | 33.8   | 29.4   | 41.2   | 571.1  | 2467.5 | 2802.0 | 2845.4 |
| 50°   | 8.8    | 14.0   | 29.4   | 28.7   | 25.0   | 35.3   | 577.7  | 2570.5 | 2848.3 | 2876.2 |
| 52.5° | 6.6    | 11.8   | 22.8   | 20.6   | 21.3   | 30.9   | 603.5  | 2706.4 | 2943.9 | 2963.7 |
| 55°   | 5.9    | 8.8    | 14.0   | 15.4   | 19.1   | 29.4   | 596.9  | 2835.1 | 3065.9 | 3100.4 |
| 57.5° | 5.1    | 7.4    | 11.0   | 12.5   | 16.9   | 27.9   | 559.4  | 2891.7 | 3144.5 | 3192.3 |
| 58°   | 4.4    | 7.4    | 10.3   | 12.5   | 16.9   | 27.2   | 549.8  | 2876.2 | 3140.9 | 3201.1 |
| 60°   | 3.7    | 6.6    | 9.6    | 11.0   | 14.7   | 24.3   | 503.5  | 2745.4 | 3060.0 | 3144.5 |
| 62.5° | 2.9    | 4.4    | 7.4    | 8.1    | 11.8   | 19.8   | 414.6  | 2533.7 | 2886.5 | 2990.9 |
| 65°   | 1.5    | 2.9    | 4.4    | 5.9    | 8.1    | 14.7   | 294.8  | 2283.1 | 2700.6 | 2802.7 |
| 67.5° | 0.0    | 1.5    | 2.9    | 3.7    | 5.1    | 11.0   | 169.8  | 1937.6 | 2394.8 | 2475.6 |
| 70°   | 0.0    | 0.7    | 1.5    | 2.2    | 2.9    | 7.4    | 89.7   | 1422.3 | 1855.3 | 2000.8 |
| 72.5° | 0.7    | 0.7    | 0.7    | 0.0    | 1.5    | 5.9    | 39.7   | 843.8  | 1265.0 | 1415.0 |
| 75°   | 0.7    | 0.7    | 0.0    | 0.0    | 0.0    | 2.9    | 16.9   | 444.7  | 725.5  | 796.8  |
| 77.5° | 2.9    | 1.5    | 0.0    | 0.0    | 0.0    | 0.7    | 8.1    | 239.6  | 376.3  | 399.9  |
| 80°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.9    | 80.1   | 225.7  | 230.8  |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.5    | 97.0   | 92.6   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)